

# DBS III with an Integrated Altistart 22/48 Compact Soft Starter

An economical solution for new and retrofit industrial refrigeration applications

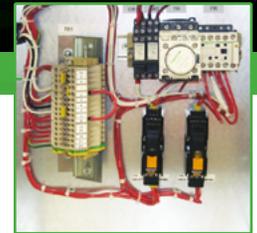
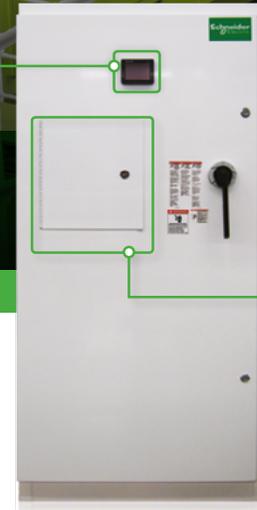
The new DBS III with the integrated Altistart™ 22/48 soft start/stop unit allows you to improve performance and provide stable operation for your refrigeration equipment.

## Features:

- Color touch screen (HMI), graphic alphanumeric display featuring a quick setup menu, advanced dual profile setup, fault history menu, and data monitoring menu
- True three-phase control and other protection functions including:
  - shunt trip
  - phase loss and phase reversal protection
  - soft stop
- Direct upgrade from legacy DBS or Wye-Delta starters
- Simple power and control wiring
- Simple integration into OEM machines
- Oversized control transformer
- Fused oil pump starter
- Isolated low-voltage section compliant with NFPA 70E® arc flash hazard safety requirements
- High SCCR (65 kA @ 460 V & 42 kA @ 600 V)
- Shorting contactor to eliminate SCR losses

## Simple programming and communication functions

- Option for multiple standard communication protocols for enterprise-level connectivity — BACnet® MSTP, BACnet IP, LonWorks®, and modbus
- Advanced HMI with an easy start-up menu gets you up and running quickly



▲ NFPA 70E-compliant isolated low-voltage compartment

**DBSIII by Schneider Electric**

Average Motor Current: 202.0 Amps

Phase Rotation: 1-2-3

Status: RUN

**Main Menu**

**Quick Start**

Line Voltage	460	Vrms
Nominal Mtr Current	200.0	Amps
Current Limit	280	%

Phase Rotation: ON (selected), OFF

Phase Sequence: 1-2-3 (selected), 3-2-1

Advanced Mode: ON (selected), OFF

**Monitoring**

	L1	L2	L3
Current [rms]	200	200	200
Total Run Time	2108 Hrs		
Total No. Starts	314		
Last Starting Time	986		

Logic I/O: STP, LT2, LT3, RV1, RV2

**Previous Faults**

Fault No. 2: Motor overcurrent

**Advanced Menu**

Setpoints, I/O, Communication, Miscellaneous, Protection

**Advanced Protection**

Voltage, Motor Thermal, Current, Duty Cycle

# Product Details for DBS III

Model	Altistart 22	Altistart 48
		
Voltage range	208 Vac to 575 Vac, three-phase	208 Vac to 690 Vac, three-phase
Current range (ICL)	17 A to 414 A	415 A to 1000 A
Horsepower range	3 hp to 350 hp	351 hp to 900 hp
Communication	Embedded modbus	Embedded modbus, available options: Web-based Ethernet, FIPIO, Modbus Plus, DeviceNet™
Starts per hour	6 standard-duty only	10 standard-duty, 5 severe duty
Motor start/stop control method	Current limit on starting, acceleration, and deceleration time settings for voltage ramp	Exclusive torque control system (TSC) for linear starting and stopping, or by current limit adjustment up to five times the device rating
Analog inputs	1 PTC probe	1 PTC probe
Logic inputs	3	4
Analog outputs	None	1
Logic outputs	None	2

★ Due to possible changes in standards and equipment, the features described in this document in the form of text and images are subject to confirmation by Schneider Electric™.

Contractor company name: \_\_\_\_\_

Street address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

ZIP code: \_\_\_\_\_ Phone number: \_\_\_\_\_

[schneider-electric.us/dbsIII](http://schneider-electric.us/dbsIII)

## Schneider Electric USA, Inc.

Automation and Control Center of Excellence  
8001 Knightdale Blvd.  
Knightdale, NC 27545  
Tel: 919-266-3671  
[www.schneider-electric.com/us](http://www.schneider-electric.com/us)

## Schneider Electric Canada, Inc.

5985 McLaughlin Road  
Mississauga, ON L5R 1B8  
Tel: 800-565-6699  
[www.schneider-electric.com/ca](http://www.schneider-electric.com/ca)

Document Number 0100HO1206  
September 2015

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